

UNITED STATES TREASURY DEPARTMENT

PUBLIC HEALTH REPORTS

ISSUED WEEKLY

BY THE UNITED STATES
PUBLIC HEALTH SERVICE

CONTAINING INFORMATION ON THE CURRENT
PREVALENCE OF DISEASE, THE PREVENTION
AND CONTROL OF DISEASE, AND
RELATED SUBJECTS

VOLUME 53—PART 2

NUMBERS 26-52

JULY-DECEMBER 1938



LIBRARY
KETTERING LABORATORY

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1939

UNITED STATES PUBLIC HEALTH SERVICE

THOMAS PARRAN, *Surgeon General*

DIVISION OF SANITARY REPORTS AND STATISTICS

Asst. Surg. Gen. ROBERT OLESEN, *Chief of Division*

The PUBLIC HEALTH REPORTS, first published in 1878 under authority of an act of Congress of April 29 of that year, is issued weekly by the United States Public Health Service through the Division of Sanitary Reports and Statistics, pursuant to the following authority of law: United States Code, title 42, sections 7, 30, 93; title 44, section 220.

It contains (1) current information regarding the prevalence and geographic distribution of communicable diseases in the United States insofar as data are obtainable, and of cholera, plague, smallpox, typhus fever, yellow fever, and other important communicable diseases throughout the world; (2) articles relating to the cause, prevention, and control of disease; (3) other pertinent information regarding sanitation and the conservation of the public health.

The PUBLIC HEALTH REPORTS is published primarily for distribution, in accordance with the law, to health officers, members of boards or departments of health, and other persons directly or indirectly engaged in public health work. Articles of special interest are issued as reprints or as supplements, in which forms they are made available for more economical and general distribution.

Requests for and communications regarding the PUBLIC HEALTH REPORTS, reprints, or supplements should be addressed to the Surgeon General, United States Public Health Service, Washington, D. C. Subscribers should remit direct to the Superintendent of Documents, Washington, D. C.

Librarians and others should preserve their copies for binding, as the Public Health Service is unable to supply the general demand for bound copies. Indexes will be supplied upon request.

INDEX

A

Acarina: Ixodidae. (See <i>Ixodes marmotae</i> .)	Page
<i>Actinomyces bovis</i> , the isolation of, from tonsillar granules—Emmons-----	1967
Acts establishing the National Cancer Institute and expanding venereal disease control activities-----	1302
Alabama. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Andervont, H. B.:	
Susceptibility of mice to spontaneous, induced, and transplantable tumors-----	1647
The incidence of induced subcutaneous and pulmonary tumors and spontaneous mammary tumors in hybrid mice-----	1665
Animals, susceptibility of, to endemic typhus virus—Brigham-----	2078
Antagonism between species of malaria parasites in induced mixed infections—Mayne and Young-----	1289
Anthrax. (See Summary—Disease cases reported monthly by States.)	
Arizona:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Apache County—Plague-infected fleas from prairie dogs-----	1985
Arkansas:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Bauxite, mottled enamel survey of, 10 years after a change in the common water supply—Dean, McKay, and Elvove-----	1736
Armstrong, Charles: Studies on the mechanism of experimental intranasal infection in mice-----	2004
Arsenate, lead, the absorption and excretion of, in man—Fairhall and Neal-----	1231
Asbestosis among workers in the asbestos textile industry-----	1893
Australia:	
Notifiable diseases—Year 1937-----	1269
Poliomyelitis-----	1269
South Australia—	
Deaths by causes—1935-1937-----	1495
Infectious diseases—1935-1937-----	1495
Vital statistics—1935-1937-----	1496

B

Baumgartner, Leona: Studies on chronic brucellosis. IV. An evaluation of the diagnostic laboratory tests-----	1507
Birth, death, and infant mortality rates for 1937, provisional-----	1072
Bittner, John J.: Spontaneous lung carcinoma in mice-----	2197
Blood films, a rapid method for drying thick—Young-----	1256
Boutonneuse fever, endemic typhus (murine) and Rocky Mountain spotted fever, the persistence of the viruses of, in tissues of experimental animals—Philip and Parker-----	1246
Bozicevich, John: Studies on trichinosis. XII. The preparation and use of an improved trichina antigen-----	2130
<i>B. pseudotuberculosis rodentium</i> , a case of human infection with—Topping, Watts, and Lillie-----	1340
Brigham, George D.:	
Endemic typhus virus in mice-----	1251
Susceptibility of animals to endemic typhus virus-----	2078
Brucellosis:	
(See also Undulant fever.)	
Chronic, studies on. IV. An evaluation of the diagnostic laboratory tests—Evans, Robinson, and Baumgartner-----	1507

Butler, R. E.: Riboflavin deficiency in man. A preliminary note.....	2282
Butterfield, C. T.: Studies of sewage purification—	
VII. Biochemical oxidation by activated sludge.....	1690
VIII. Observations on the effect of variations in the initial numbers of bacteria and of the dispersion of sludge flocs on the course of oxidation of organic material by bacteria in pure culture..	1912

C

California:

(See also Name of disease—Current weekly State reports; Summary—
Disease cases reported monthly by States.)

Eldorado County—	
Plague-infected fleas.....	1848, 2101
Plague-infected ground squirrels.....	1848, 2019
Fresno County—	
Plague-infected fleas.....	1110, 1491
Plague-infected ground squirrels.....	1317
Los Angeles County General Hospital, poliomyelitis in the personnel of the, in 1934.....	1302
Plumas County—Plague-infected squirrels.....	2101
San Benito County—	
Plague-infected fleas.....	2210
Plague-infected ground squirrels.....	2290
San Bernardino County—	
Plague-infected fleas.....	1317, 1373, 1585, 1676, 1848
Plague-infected ground squirrels.....	1317, 1436, 1585, 1628, 1676
Two new species of ticks (<i>Ixodes</i>) from—Cooley and Kohls.....	1616

Canada:

Provinces—Communicable diseases—2 weeks ended—

June 4, 1938.....	1176
June 18, 1938.....	1270
July 2, 1938.....	1377
July 16, 1938.....	1541
July 30, 1938.....	1589
August 13, 1938.....	1632
August 27, 1938.....	1757
September 10, 1938.....	1812
September 24, 1938.....	1903
October 8, 1938.....	1988
October 22, 1938.....	2105
November 5, 1938.....	2150
November 19, 1938.....	2213

Vital statistics—

Fourth quarter 1937.....	1114
Year 1937.....	1115
First quarter 1938.....	1812

Cancer research, fundamental report of a committee appointed by the Surgeon General.....

2121

Carcinoma in mice, spontaneous lung—Bittner.....

2197

Chickenpox. (See Summary—Disease cases reported monthly by States.)

China: Typhoid fever.....

1496, 1589

Cholera: Foreign reports.....

1178,

 1271, 1322, 1379, 1441, 1497, 1544, 1590, 1633, 1683, 1731, 1759,

 1815, 1853, 1905, 1946, 1989, 2023, 2073, 2107, 2151, 2191, 2214, 2257, 2298.

Ciocco, Antonio: Changes in the types of visual refractive errors of children.....

1571

City health officers, 1938. Directory of those in cities of 10,000 or more population.....

1783

Clams, oysters, and shellfish-growing waters, comparison of modified Eijkman medium and standard lactose broth in the examination of—Payne.....

2058

Collins, Selwyn D.: Percentage of illnesses treated surgically among 9,000 families, based on Nation-wide periodic canvasses, 1928-31.....

1593

Colombia: Bogota—Some resolutions of the Tenth Pan-American Sanitary Conference in, September 4-14, 1938.....

1975

Colorado. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)

Communicable diseases:

(See also Infectious diseases; Notifiable diseases.)

	Page
Canada—Provinces—2 weeks ended—	
June 4, 1938.....	1177
June 18, 1938.....	1270
July 2, 1938.....	1377
July 16, 1938.....	1541
July 30, 1938.....	1589
August 13, 1938.....	1632
August 27, 1938.....	1757
September 10, 1938.....	1812
September 24, 1938.....	1903
October 8, 1938.....	1988
October 22, 1938.....	2105
November 5, 1938.....	2150
November 19, 1938.....	2213
Cuba—Habana—4 weeks ended—	
June 4, 1938.....	1176
July 2, 1938.....	1377
July 30, 1938.....	1496
August 27, 1938.....	1757
September 24, 1938.....	1903
October 22, 1938.....	2105
November 19, 1938.....	2256
Czechoslovakia—	
March 1938.....	1116
April 1938.....	1378
May 1938.....	1731
June 1938.....	1852
July 1938.....	2022
August 1938.....	2213
Finland—	
May 1938.....	1229
June 1938.....	1440
July 1938.....	1632
August 1938.....	1904
September 1938.....	2150
October 1938.....	2214
Foreign reports.....	1117,
1178, 1230, 1271, 1322, 1379, 1441, 1497, 1544, 1590, 1633, 1683,	
1731, 1759, 1815, 1853, 1905, 1946, 1989, 2023, 2073, 2107, 2151,	
2191, 2214, 2257, 2298.	
Italy—4 weeks ended—	
April 24, 1938.....	1270
May 22, 1938.....	1541
June 19, 1938.....	1633
July 17, 1938.....	1904
August 14, 1938.....	2022
September 11, 1938.....	2256
Jamaica—4 weeks ended—	
June 11, 1938.....	1178
July 9, 1938.....	1379
August 6, 1938.....	1542
September 3, 1938.....	1731
October 1, 1938.....	2023
October 29, 1938.....	2106
November 26, 1938.....	2257
Mexico—Year 1937.....	1440
United States—	
Current prevalence of.....	1119, 1337, 1559, 1733, 1907, 2075, 2217
Current weekly State reports.....	1106,
1167, 1221, 1258, 1312, 1368, 1430, 1487, 1532, 1536, 1580, 1623,	
1672, 1676, 1721, 1749, 1801, 1843, 1895, 1935, 1979, 2014, 2065,	
2096, 2139, 2182, 2205, 2248, 2285.	
Summary—Disease cases reported monthly by States.....	1108,
1171, 1225, 1262, 1316, 1372, 1434, 1491, 1584, 1627, 1725, 1753,	
1805, 1847, 1899, 1939, 1983, 2018, 2069, 2100, 2143, 2186, 2209,	
2252, 2289.	

Communicable diseases—Continued.		Page
Yugoslavia—4 weeks ended—		
May 22, 1938.....	-----	1117
June 19, 1938.....	-----	1321
July 17, 1938.....	-----	1543
August 14, 1938.....	-----	1682
September 11, 1938.....	-----	1905
October 9, 1938.....	-----	2073
November 6, 1938.....	-----	2297
Conjunctivitis. (See Summary—Disease cases reported monthly by States.)		
Connecticut. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)		
Cooley, R. A.:		
<i>Ixodes marmotae</i> —A new species of tick from marmots (Acarina: Ixodidae).....	-----	2174
Two new species of ticks (<i>Ixodes</i>) from California.....	-----	1616
Cooper, Merlin L.: Report of two cases of Rocky Mountain spotted fever in Ohio.....	-----	1775
Cox, Herald R.:		
A filter-passing infectious agent isolated from ticks—		
I. Isolation from <i>Dermacentor andersoni</i> , reactions in animals, and filtration experiments.....	-----	2259
III. Description of organism and cultivation experiments.....	-----	2270
Use of yolk sac of developing chick embryo as medium for growing rickettsiae of Rocky Mountain spotted fever and typhus groups....	-----	2241
Cuba:		
Habana—Communicable diseases—4 weeks ended—		
June 4, 1938.....	-----	1176
July 2, 1938.....	-----	1377
July 30, 1938.....	-----	1496
August 27, 1938.....	-----	1757
September 24, 1938.....	-----	1903
October 22, 1938.....	-----	2105
November 19, 1938.....	-----	2256
Notifiable diseases—Year 1937.....	-----	1589
Provinces—Notifiable diseases—4 weeks ended—		
May 28, 1938.....	-----	1177
June 25, 1938.....	-----	1378
July 23, 1938.....	-----	1496
August 20, 1938.....	-----	1758
September 17, 1938.....	-----	1904
October 15, 1938.....	-----	2106
November 12, 1938.....	-----	2256
Current weekly State reports. (See Name of disease—Current weekly State reports.)		
Cyanide poisoning during fumigation, an unusual case of—Williams.....		
		2094
Czechoslovakia: Communicable diseases—		
March 1938.....	-----	1116
April 1938.....	-----	1378
May 1938.....	-----	1731
June 1938.....	-----	1852
July 1938.....	-----	2022
August 1938.....	-----	2213

D

D'Antoni, Joseph S.: A supplementary basic technique for the recovery of protozoan cysts and helminth eggs in feces (preliminary communication).....	-----	2202
Davis, Gordon E.:		
A comparative study of two strains of Rocky Mountain spotted fever virus with special reference to the Weil-Felix reaction.....		
		1525
A filter-passing infectious agent isolated from ticks—		
I. Isolation from <i>Dermacentor andersoni</i> , reactions in animals, and filtration experiments.....	-----	2259
II. Transmission by <i>Dermacentor andersoni</i>	-----	2267

	Page
Dean, H. Trendley:	
Endemic fluorosis and its relation to dental caries.....	1443
Mottled enamel survey of Bauxite, Ark., 10 years after a change in the common water supply.....	1736
Death, birth, and infant mortality rates for 1937, provisional.....	1072
Death rates for certain important causes of death, by States, 1936.....	1078
Deaths.	
(See also Mortality.)	
All causes—City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1629
August 27, 1938.....	1679
September 3, 1938.....	1727
September 10, 1938.....	1754
September 17, 1938.....	1809
September 24, 1938.....	1848
October 1, 1938.....	1900
October 8, 1938.....	1942
October 15, 1938.....	1985
October 22, 1938.....	2019
October 29, 1938.....	2070
November 5, 1938.....	2101
November 12, 1938.....	2147
November 19, 1938.....	2187
November 26, 1938.....	2210
December 3, 1938.....	2253
December 10, 1938.....	2292
Large cities—Week ended—	
June 11, 1938.....	1105
June 18, 1938.....	1166
June 25, 1938.....	1220
July 2, 1938.....	1257
July 9, 1938.....	1311
July 16, 1938.....	1367
July 23, 1938.....	1429
July 30, 1938.....	1486
August 6, 1938.....	1531
August 13, 1938.....	1579
August 20, 1938.....	1622
August 27, 1938.....	1671
September 3, 1938.....	1720
September 10, 1938.....	1748
September 17, 1938.....	1800
September 24, 1938.....	1842
October 1, 1938.....	1894
October 8, 1938.....	1934
October 15, 1938.....	1978
October 22, 1938.....	2013
October 29, 1938.....	2064
November 5, 1938.....	2095
November 12, 1938.....	2138
November 19, 1938.....	2181
November 26, 1938.....	2204
December 3, 1938.....	2247
December 10, 1938.....	2284
Deaths by causes: Australia—South Australia—1935-1937.....	1495
Deaths from certain diseases: Mexico—1934-1936.....	1440
Delaware. (See Name of disease—Current weekly State reports; Sum- mary—Disease cases reported monthly by States.)	

Dengue:	
(See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	Page
June 18, 1938.....	1175
September 3, 1938.....	1730
Denmark: Notifiable diseases—	
April 1938.....	1758
May 1938.....	1758
June 1938.....	1758
July 1938.....	2190
August 1938.....	2190
September 1938.....	2190
Dental caries, endemic fluorosis and its relation to—Dean.....	1443
Dental caries, studies on:	
V. Familial resemblance in the caries experience of siblings—Klein and Palmer.....	1353
VI. Sex differences in dental caries experience of elementary school children—Klein and Palmer.....	1685
Diphtheria:	
(See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1629
August 27, 1938.....	1679
September 3, 1938.....	1727
September 10, 1938.....	1754
September 17, 1938.....	1809
September 24, 1938.....	1848
October 1, 1938.....	1900
October 8, 1938.....	1942
October 15, 1938.....	1985
October 22, 1938.....	2019
October 29, 1938.....	2070
November 5, 1938.....	2101
November 12, 1938.....	2147
November 19, 1938.....	2187
November 26, 1938.....	2210
December 3, 1938.....	2253
December 10, 1938.....	2292
Current weekly State reports.....	1106,
1167, 1221, 1258, 1312, 1368, 1430, 1487, 1532, 1580, 1623,	1672,
1721, 1749, 1801, 1843, 1895, 1935, 1979, 2014, 2065, 2096,	2139,
2182, 2205, 2248, 2285.....	1301
Immunization made compulsory in France.....	1301
Directory:	
City health officers, 1938. Cities of more than 10,000 population....	1783
County health officers, 1938, whole-time.....	1147
State and insular health authorities, 1938 with data as to appropriations and publications.....	1408
Disabilities causing absence from work among employees of a public utility, 1933-37, frequency and duration of—Gafafer and Frasier.....	1273
District of Columbia:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Washington, psittacosis in.....	2204
Dorn, Harold F.:	
The incidence and future expectancy of mental disease.....	1991
The relative amount of ill health in rural and urban communities....	1181
Drug addiction, the problem of—Parran.....	2193

Dublin, Louis I.: Studies on immunizing substances in pneumococci. VIII. Report on field tests to determine the prophylactic value of a pneumococcus antigen.....	Page 1877
Dudley, H. C.: Toxicology of phenyldichlorarsine. II. Response of man to PDA-oil mixtures.....	1292
Dyer, R. E.: A filter-passing infectious agent isolated from ticks. IV. Human infection.....	2277
Report of two cases of Rocky Mountain spotted fever in Ohio.....	1775
Dysentery. (See Summary—Disease cases reported monthly by States.)	

E

Economics of pneumonia, a study of the. The costs of diagnosis and treatment of 625 cases in New York City—Hirsh.....	2153
Egypt: Infectious diseases— Second quarter 1937.....	1177
Third quarter 1937.....	1497
Vital statistics— Second quarter 1937.....	1177
Third quarter 1937.....	1497
Eijkman medium, modified, and standard lactose broth, comparison of, in the examination of oysters, clams, and shellfish-growing waters—Payne.....	2058
Ekwurzel, Col. G. M.: Studies on immunizing substances in pneumococci. VIII. Report on field tests to determine the prophylactic value of a pneumococcus antigen.....	1877
Elvove, Elias: Mottled enamel survey of Bauxite, Ark., 10 years after a change in the common water supply.....	1736
Emmons, C. W.: The isolation of <i>Actinomyces bovis</i> from tonsillar granules. Employees: Disabling sickness among male industrial, during the second quarter and the first half of 1938—Gafafer and Frasier.....	1910
Frequency of disabling illness among industrial, during 1932-37 and the first quarter of 1938—Gafafer and Frasier.....	1562
Employees of a public utility, frequency and duration of disabilities causing absence from work among, 1933-37—Gafafer and Frasier.....	1273
Enamel, mottled, survey of Bauxite, Ark., 10 years after a change in the common water supply—Dean, McKay, and Elvove.....	1736
Encephalitis, epidemic or lethargic: (See also Summary—Disease cases reported monthly by States.) City reports for week ended— June 11, 1938.....	1113
June 18, 1938.....	1175
June 25, 1938.....	1228
July 2, 1938.....	1268
July 9, 1938.....	1320
July 16, 1938.....	1376
July 23, 1938.....	1439
July 30, 1938.....	1494
August 6, 1938.....	1540
August 13, 1938.....	1588
August 20, 1938.....	1631
August 27, 1938.....	1681
September 3, 1938.....	1730
September 10, 1938.....	1756
September 17, 1938.....	1811
September 24, 1938.....	1851
October 1, 1938.....	1902
October 8, 1938.....	1944
October 15, 1938.....	1987
October 22, 1938.....	2021
October 29, 1938.....	2072
November 5, 1938.....	2104
November 12, 1938.....	2149
November 19, 1938.....	2189
November 26, 1938.....	2210

Encephalitis, epidemic or lethargic—Continued.	
City reports for week ended—Continued.	
December 3, 1938.....	Page 2255
December 10, 1938.....	2295
Evans, Alice C.: Studies on chronic brucellosis. IV. An evaluation of the diagnostic laboratory tests.....	1507

F

Faget, G. H.: Unsuccessful treatment of malaria with sulfonamide compounds.....	1364
Fairhall, Lawrence T.: The absorption and excretion of lead arsenate in man.....	1231
Fauna and flora of surface waters polluted by acid mine drainage—Lackey.....	1499
Felton, Lloyd D.: Studies on immunizing substances in pneumococci—	
VII. Response in human beings to antigenic pneumococcus polysaccharides, types I and II.....	1855
VIII. Report on field tests to determine the prophylactic value of a pneumococcus antigen.....	1877
Fever, metal fume, and its prevention—Sayers.....	1080
Films, a rapid method for drying thick blood—Young.....	1256
Finland: Communicable diseases—	
May 1938.....	1229
June 1938.....	1440
July 1938.....	1632
August 1938.....	1904
September 1938.....	2150
October 1938.....	2214
Flora and fauna of surface waters polluted by acid mine drainage—Lackey.....	1499
Florida:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Miami health officer acts to prevent the introduction of yellow fever..	1621
Fluorosis, endemic, and its relation to dental caries—Dean.....	1443
Foreign reports: Communicable diseases.....	1117,
1178, 1230, 1271, 1322, 1379, 1441, 1497, 1544, 1590, 1633, 1683, 1731, 1759, 1815, 1853, 1905, 1946, 1989, 2023, 2073, 2107, 2151, 2191, 2214, 2257, 2298.	
Formalin preservation, the manipulation and counting of river plankton and changes in some organisms due to—Lackey.....	2080
France:	
Diphtheria immunization made compulsory in.....	1301
Vital statistics—First quarter 1938—Comparative.....	1852
Francis, Edward: Longevity of the tick <i>Ornithodoros turicata</i> and of <i>Spirochaeta recurrentis</i> within this tick.....	2220
Fraser, H. F.: The assay of urine in canine blacktongue by the use of <i>Shigella paradysenteriae</i> (Sonne).....	1836
Frasier, Elizabeth S.:	
Disabling sickness among male industrial employees during the second quarter and the first half of 1938.....	1910
Frequency and duration of disabilities causing absence from work among the employees of a public utility, 1933-37.....	1273
Frequency of disabling illness among industrial employees during 1932-37 and the first quarter of 1938.....	1562
Fumigation, an unusual case of cyanide poisoning during—Williams.....	2094

G

Gafer, William M.:	
Disabling sickness among male industrial employees during the second quarter and the first half of 1938.....	1910
Frequency and duration of disabilities causing absence from work among the employees of a public utility, 1933-37.....	1273
Frequency of disabling illness among industrial employees during 1932-37 and the first quarter of 1938.....	1562
Georgia. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
German measles. (See Summary—Disease cases reported monthly by States.)	

Germany: Vital statistics—	Page
Fourth quarter 1937.....	1178
Year 1937.....	1178
First quarter 1938.....	1945
First half of 1938.....	2296
Gover, Mary: Mortality during periods of excessive temperature.....	1122
Great Britain:	
England and Wales—	
Infectious diseases—	
13 weeks ended April 2, 1938.....	1229
13 weeks ended July 2, 1938.....	1813
13 weeks ended October 1, 1938.....	2296
Smallpox—1901-1936.....	1852
Vital statistics—	
First quarter 1938.....	1229
Year 1937.....	1230
Second quarter 1938.....	1814
Third quarter 1938.....	2296

H

Hall, Maurice C.: Studies on trichinosis—	
VI. Epidemiological aspects of trichinosis in the United States as indicated by an examination of 1,000 diaphragms for trichinae...	1086
VII. The past and present status of trichinosis in the United States, and the indicated control measures.....	1472
Hampton, Brock C.: Poliomyelitis; prevalence since 1915 and the present situation.....	1143
Hasseltine, H. E.: The U. S. Marine Hospital (National Leprosarium), Carville, La. Review of the more important activities for the fiscal year ended June 30, 1938.....	2025
Health conditions in the United States as indicated by mortality rates, 1929-38.....	1961
Health officers:	
Directory of cities of 10,000 or more population, 1938.....	1783
Directory of State and insular, 1938, with data as to appropriations and publications.....	1408
Directory of whole-time county, 1938.....	1147
Heart disease, rheumatic, incidence of, among college students in the United States—Hedley.....	1635
Hedley, O. F.: Incidence of rheumatic heart disease among college students in the United States.....	1635
Helminth eggs and protozoan cysts in feces, a supplementary basic technique for the recovery of (preliminary communication)—D'Antoni and Odom.....	2202
Hirsh, Joseph: A study of the economics of pneumonia. The costs of diagnosis and treatment of 625 cases in New York City.....	2153
Hookworm disease. (See Summary—Disease cases reported monthly by States.)	
Hospital facilities in the United States.....	1719

I

Idaho:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Bannock County—	
Plague-infected fleas and lice.....	1110
Plague-infected squirrels.....	1110, 1172
Bear Lake County—Plague-infected fleas.....	1436
Ill health, the relative amount of, in rural and urban communities—Dorn.....	1181
Illinois: (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Illnesses treated surgically among 9,000 families, percentage of, based on Nation-wide canvasses, 1928-31—Collins.....	1593
Indiana. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Infant mortality, birth, and death rates for 1937, provisional.....	1072
Infantile paralysis. (See Poliomyelitis.)	

	Page
Infections, antagonism between species of malaria parasites in induced mixed—Mayne and Young-----	1289
Infectious diseases:	
Australia—South Australia—1935-1937-----	1495
Egypt—	
Second quarter 1937-----	1177
Third quarter 1937-----	1497
Great Britain—England and Wales—	
13 weeks ended April 2, 1938-----	1229
13 weeks ended July 2, 1938-----	1813
13 weeks ended October 1, 1938-----	2296
Influenza:	
(See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	
June 11, 1938-----	1110
June 18, 1938-----	1173
June 25, 1938-----	1226
July 2, 1938-----	1266
July 9, 1938-----	1318
July 16, 1938-----	1373
July 23, 1938-----	1437
July 30, 1938-----	1492
August 6, 1938-----	1538
August 13, 1938-----	1585
August 20, 1938-----	1629
August 27, 1938-----	1679
September 3, 1938-----	1727
September 10, 1938-----	1754
September 17, 1938-----	1809
September 24, 1938-----	1848
October 1, 1938-----	1900
October 8, 1938-----	1942
October 15, 1938-----	1985
October 22, 1938-----	2019
October 29, 1938-----	2070
November 5, 1938-----	2101
November 12, 1938-----	2147
November 19, 1938-----	2187
November 26, 1938-----	2210
December 3, 1938-----	2253
December 10, 1938-----	2292
Current weekly State reports-----	1106,
1167, 1221, 1258, 1312, 1368, 1430, 1487, 1532, 1580, 1623, 1672,	
1721, 1749, 1801, 1843, 1895, 1935, 1979, 2014, 2065, 2096, 2139,	
2182, 2205, 2248, 2285	
Intranasal infection in mice, studies on the mechanism of experimental—	
Armstrong-----	2004
Iowa. (See Name of disease—Current weekly State reports; Summary—	
Disease cases reported monthly by States.)	
Irish Free State: Vital statistics—	
Quarter ended March 31, 1938-----	1378
Quarter ended June 30, 1938-----	1814
Italy: Communicable diseases—4 weeks ended—	
April 24, 1938-----	1270
May 22, 1938-----	1541
June 19, 1938-----	1633
July 17, 1938-----	1904
August 14, 1938-----	2022
September 11, 1938-----	2256
<i>Ixodes marmoratae</i> —A new species of tick from marmots (Acarina: Ixodidae)—	
Cooley and Kohls-----	2174

J

Jamaica: Communicable diseases—4 weeks ended—	
June 11, 1938-----	1178
July 9, 1938-----	1379

Jamaica: Communicable diseases—4 weeks ended—Continued.	Page
August 6, 1938.....	1542
September 3, 1938.....	1731
October 1, 1938.....	2023
October 29, 1938.....	2106
November 26, 1938.....	2257
Japan: Poliomyelitis.....	1682
Jones, R. R.: Silicosis and similar dust diseases.....	1453

K

Kansas. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Kentucky. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Klein, Henry: Studies on dental caries—	
V. Familial resemblance in the caries experience of siblings.....	1353
VI. Sex differences in dental caries experience of elementary school children.....	1685
Kohls, Glen M.:	
<i>Ixodes marmotae</i> —A new species of tick from marmots (Acarina: Ixodidae).....	2174
Two new species of <i>Meringis</i> Jordan (Siphonaptera).....	1216
Two new species of ticks (<i>Ixodes</i>) from California.....	1616
Kurzner, Meyer A.: Report of two cases of Rocky Mountain spotted fever in Ohio.....	1775

L

Lackey, James B.:	
Protozoan plankton as indicators of pollution in a flowing stream....	2037
The flora and fauna of surface waters polluted by acid mine drainage..	1499
The manipulation and counting of river plankton and changes in some organisms due to formalin preservation.....	2080
Lactose broth, standard, and modified Eijkman medium, comparison of, in the examination of oysters, clams, and shellfish-growing waters—Payne.....	2058
Latvia: Notifiable diseases—	
January 1938.....	1116
February 1938.....	1116
March 1938.....	1116
April 1938.....	1682
May 1938.....	1682
June 1938.....	1682
July 1938.....	2190
August 1938.....	2190
September 1938.....	2190
Lead arsenate, the absorption and excretion of, in man—Fairhall and Neal.	1231
Lead poisoning. (See Summary—Disease cases reported monthly by States.)	
Leprosy. (See Summary—Disease cases reported monthly by States.)	
Jillie, R. D.: A case of human infection with <i>B.pseudotuberculosis rodentium</i> .	1340
Longevity of the tick <i>Ornithodoros turicata</i> and of <i>Spirochaeta recurrentis</i> within this tick—Francis.....	2220
Louisiana:	
(See also Name of disease—Current weekly State reports: Summary—Disease cases reported monthly by States.)	
Carville, the U. S. Marine Hospital (National Leprosarium). Review of the more important activities for the fiscal year ended June 30, 1938—Hasseltine.....	2025

Mc

McCullum, E. V.: A simple method of concentrating vitamin E.....	1779
McKay, Frederick S.: Mottled enamel survey of Bauxite, Ark., 10 years after a change in the common water supply.....	1736
McNamee, P. D.: Studies of sewage purification. VII. Biochemical oxidation by activated sludge.....	1690

M

	Page
Mackenzie, C. G.: A simple method of concentrating vitamin E.....	1779
Mackenzie, Julia B.: A simple method of concentrating vitamin E.....	1779
Maine. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Malaria:	
(See also Summary—Disease cases reported monthly by States.)	
Parasites in induced mixed infections, antagonism between species of—Mayne and Young.....	1289
Unsuccessful treatment of, with sulfonamide compounds—Faget, Palmer, and Sherwood.....	1364
Market-milk supplies of certain urban communities—Compliance with the grade A pasteurized and grade A raw milk requirements of the Public Health Service milk ordinance and code.....	1381
Maryland. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Massachusetts. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Mayne, Bruce: Antagonism between species of malaria parasites in induced mixed infections.....	1289
Measles:	
(See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1629
August 27, 1938.....	1679
September 3, 1938.....	1727
September 10, 1938.....	1754
September 17, 1938.....	1809
September 24, 1938.....	1848
October 1, 1938.....	1900
October 8, 1938.....	1942
October 15, 1938.....	1985
October 22, 1938.....	2019
October 29, 1938.....	2070
November 5, 1938.....	2101
November 12, 1938.....	2147
November 19, 1938.....	2187
November 26, 1938.....	2210
December 3, 1938.....	2253
December 10, 1938.....	2292
Current weekly State reports.....	1106,
1167, 1221, 1258, 1312, 1368, 1430, 1487, 1532, 1580, 1623, 1672, 1721, 1749, 1801, 1843, 1895, 1935, 1979, 2014, 2065, 2096, 2139, 2182, 2205, 2248, 2285.	
Mechanism of experimental intranasal infection in mice, studies on the—Armstrong.....	2004
Meningococcus meningitis:	
(See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	
June 11, 1938.....	1113
June 18, 1938.....	1175
June 25, 1938.....	1228
July 2, 1938.....	1268
July 9, 1938.....	1320
July 16, 1938.....	1376
July 23, 1938.....	1439
July 30, 1938.....	1494

Meningococcus meningitis—Continued.

City reports for week ended—Continued.

	Page
August 6, 1938.....	1540
August 13, 1938.....	1588
August 20, 1938.....	1631
August 27, 1938.....	1681
September 3, 1938.....	1730
September 10, 1938.....	1756
September 17, 1938.....	1811
September 24, 1938.....	1851
October 1, 1938.....	1902
October 8, 1939.....	1944
October 15, 1938.....	1987
October 22, 1938.....	2021
October 29, 1938.....	2072
November 5, 1938.....	2104
November 12, 1938.....	2149
November 19, 1938.....	2189
November 26, 1938.....	2210
December 3, 1938.....	2255
December 10, 1938.....	2295
Current weekly State reports.....	1106,
1168, 1222, 1259, 1313, 1369, 1431, 1488, 1533, 1582, 1624,	1673,
1722, 1750, 1802, 1844, 1896, 1936, 1980, 2015, 2066, 2097,	2140,
2183, 2206, 2249, 2286.	
Mental disease, the incidence and future expectancy of—Dorn.....	1991
<i>Meringis</i> Jordan (Siphonaptera), two new species of—Kohls.....	1216
Metal fume fever and its prevention—Sayers.....	1080
Mexico:	
Communicable diseases—Year 1937.....	1440
Deaths from certain diseases—1934–36.....	1440
Mice, hybrid, the incidence of induced subcutaneous and pulmonary tumors and spontaneous mammary tumors in—Andervont.....	1665
Mice, susceptibility of, to spontaneous, induced, and transplantable tumors—Andervont.....	1647
Michigan. (<i>See</i> Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Mine drainage, acid, the flora and fauna of surface waters polluted by—Lackey.....	1499
Minnesota. (<i>See</i> Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Mississippi. (<i>See</i> Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Missouri. (<i>See</i> Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Montana:	
(<i>See also</i> Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Beaverhead County—	
Plague-infected fleas.....	1172, 1263
Plague-infected ground squirrels.....	1172, 1263
Gallatin County—Plague-infected fleas.....	1110
Mortality:	
(<i>See also</i> Deaths.)	
During periods of excessive temperature—Gover.....	1122
Provisional, rates for the first quarter of 1938.....	1065
Provisional, rates for the first 6 months of 1938.....	1817
Rates, 1929–38, health conditions in the United States as indicated by.....	1961
Mumps. (<i>See</i> Summary—Disease cases reported monthly by States.)	

N

National Cancer Institute and expanding venereal disease control activities, acts establishing the.....	1302
National Leprosarium (the U. S. Marine Hospital), Carville, La. Review of the more important activities for the fiscal year ended June 30, 1938—Hasseltine.....	2025

	Page
Neal, Paul A.: The absorption and excretion of lead arsenate in man.....	1231
Nebraska. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Nevada. (See Summary—Disease cases reported monthly by States.)	
New Hampshire. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
New Jersey. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
New Mexico:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Catron County—	
Plague-infected fleas.....	1628, 1677, 1726, 1806
Plague-infected prairie dogs.....	1628, 1677, 1726, 1806
New York. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
North Carolina. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
North Dakota. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Notifiable diseases:	
(See also Communicable diseases.)	
Australia—Year 1937.....	1269
Cuba—	
Provinces—4 weeks ended—	
May 28, 1938.....	1177
June 25, 1938.....	1378
July 23, 1938.....	1496
August 20, 1938.....	1758
September 17, 1938.....	1904
October 15, 1938.....	2106
November 12, 1938.....	2256
Year 1937.....	1589
Denmark—	
April 1938.....	1758
May 1938.....	1758
June 1938.....	1758
July 1938.....	2190
August 1938.....	2190
September 1938.....	2190
In States, 1937. Summary of morbidity and mortality for certain important communicable diseases.....	1963
Latvia—	
January 1938.....	1116
February 1938.....	1116
March 1938.....	1116
April 1938.....	1682
May 1938.....	1682
June 1938.....	1682
July 1938.....	2190
August 1938.....	2190
September 1938.....	2190
Panama Canal Zone—	
April 1938.....	1542
May 1938.....	1542
June 1938.....	1542
July 1938.....	2257
August 1938.....	2257
September 1938.....	2257
Sweden—	
April 1938.....	1117
May 1938.....	1321
June 1938.....	1542
July 1938.....	1814
August 1938.....	1945
September 1938.....	2214

Notifiable diseases—Continued.

Virgin Islands—	Page
April 1938.....	1441
May 1938.....	1441
June 1938.....	1441
July 1938.....	1988
August 1938.....	1988
September 1938.....	1988
O	
Odom, Vada: A supplementary basic technique for the recovery of protozoan cysts and helminth eggs in feces (preliminary communication)....	2202
Ohio:	
(See also Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Report of two cases of Rocky Mountain spotted fever in—Cooper, Kurzner, Wilson, and Dyer.....	1775
Oklahoma. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Oregon. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Oysters, clams, and shellfish-growing waters, comparison of modified Eijkman medium and standard lactose broth in the examination of—Payne..	2058
P	
Palmer, Carroll E.: Studies on dental caries—	
V. Familial resemblance in the caries experience of siblings.....	1353
VI. Sex differences in dental caries experience of elementary school children.....	1685
Palmer, M. R.: Unsuccessful treatment of malaria with sulfonamide compounds.....	1364
Panama Canal Zone: Notifiable diseases—	
April 1938.....	1542
May 1938.....	1542
June 1938.....	1542
July 1938.....	2257
August 1938.....	2257
September 1938.....	2257
Pan American Sanitary Conference, some resolutions of the Tenth, in Bogota, Colombia, September 4-14, 1938.....	1975
Paratyphoid fever. (See Summary—Disease cases reported monthly by States.)	
Parker, R. R.:	
A comparative study of two strains of Rocky Mountain spotted fever virus with special reference to the Weil-Felix reaction.....	1525
A filter-passing infectious agent isolated from ticks. II. Transmission by <i>Dermacentor andersoni</i>	2267
The persistence of the viruses of endemic (murine) typhus, Rocky Mountain spotted fever, and boutonneuse fever in tissues of experimental animals.....	1246
Parran, Thomas: The problem of drug addiction.....	2193
Payne, Velma: Comparison of modified Eijkman medium and standard lactose broth in the examination of oysters, clams, and shellfish-growing waters.....	2058
Pellagra:	
(See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	
June 11, 1938.....	1113
June 18, 1938.....	1175
June 25, 1938.....	1228
July 2, 1938.....	1268
July 9, 1938.....	1320
July 16, 1938.....	1376
July 23, 1938.....	1439
July 30, 1938.....	1494
August 6, 1938.....	1540

Pellagra—Continued.

City reports for week ended—Continued.	Page
August 13, 1938.....	1588
August 20, 1938.....	1631
August 27, 1938.....	1681
September 3, 1938.....	1730
September 10, 1938.....	1756
September 17, 1938.....	1811
September 24, 1938.....	1851
October 1, 1938.....	1902
October 8, 1938.....	1944
October 15, 1938.....	1987
October 22, 1938.....	2021
October 29, 1938.....	2072
November 5, 1938.....	2104
November 12, 1938.....	2149
November 19, 1938.....	2189
November 26, 1938.....	2210
December 3, 1938.....	2255
December 10, 1938.....	2295
Pennsylvania. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Phenyldichlorarsine, toxicology of. II. Response of man to PDA-oil mixtures—Sayers and Dudley.....	1292
Philip, Cornelius B.: The persistence of the viruses of endemic (murine) typhus, Rocky Mountain spotted fever, and boutonneuse fever in tissues of experimental animals.....	1246
Plague: Foreign reports.....	1117,
1179, 1271, 1323, 1379, 1441, 1498, 1546, 1590, 1634, 1683, 1732, 1761, 1815, 1853, 1905, 1948, 1989, 2023, 2073, 2110, 2151, 2191, 2215, 2257, 2300.	1761, 2257,
Plague-infected fleas:	
Arizona—Apache County.....	1985
California—	
Eldorado County.....	1848, 2101
Fresno County.....	1110, 1491
San Benito County.....	2210
San Bernardino County.....	1317, 1373, 1585, 1676, 1848
Idaho—Bear Lake County.....	1436
Montana—	
Beaverhead County.....	1172, 1263
Gallatin County.....	1110
New Mexico—Catron County.....	1628, 1677, 1726, 1806
Utah—Rich County.....	1318, 1436
Wyoming—	
Lincoln County.....	1373, 1436
Sublette County.....	1585
Uinta County.....	1263, 1373, 1436
Plague-infected fleas and lice:	
Idaho—Bannock County.....	1110
Wyoming—Sublette County.....	1537
Plague-infected fleas, lice, and ticks:	
Wyoming—Lincoln County.....	1537, 1585, 1677, 1727
Plague-infected prairie dogs:	
New Mexico—Catron County.....	1628, 1677, 1726, 1806
Plague-infected squirrels:	
California—	
Eldorado County.....	1848, 2019
Fresno County.....	1317
Plumas County.....	2101
San Benito County.....	2290
San Bernardino County.....	1317, 1436, 1585, 1628, 1676
Idaho—Bannock County.....	1110, 1172
Montana—Beaverhead County.....	1172, 1263
Utah—Wasatch County.....	1318
Wyoming—	
Lincoln County.....	1373, 1436, 1537
Uinta County.....	1263

	Page
Plankton:	
Protozoan, as indicators of pollution in a flowing stream—Lackey	2037
The manipulation and counting of river, and changes in some organisms due to formalin preservation—Lackey	2080
Pneumococci, studies on immunizing substances in—	
VII. Response in human beings to antigenic pneumococcus polysaccharides, types I and II—Felton	1855
VIII. Report on field tests to determine the prophylactic value of a pneumococcus antigen—Ekwurzel, Simmons, Dublin, and Felton	1877
Pneumonia (all forms): City reports for week ended—	
June 11, 1938	1110
June 18, 1938	1173
June 25, 1938	1226
July 2, 1938	1266
July 9, 1938	1318
July 16, 1938	1373
July 23, 1938	1437
July 30, 1938	1492
August 6, 1938	1538
August 13, 1938	1585
August 20, 1938	1629
August 27, 1938	1679
September 3, 1938	1727
September 10, 1938	1754
September 17, 1938	1809
September 24, 1938	1848
October 1, 1938	1900
October 8, 1938	1942
October 15, 1938	1985
October 22, 1938	2019
October 29, 1938	2070
November 5, 1938	2101
November 12, 1938	2147
November 19, 1938	2187
November 26, 1938	2210
December 3, 1938	2253
December 10, 1938	2292
Pneumonia, a study of the economics of. The costs of diagnosis and treatment of 625 cases in New York City—Hirsh	2153
Poliomyelitis:	
(See also Summary—Disease cases reported monthly by States.)	
Australia	1269
City reports for week ended—	
June 11, 1938	1113
June 18, 1938	1175
June 25, 1938	1228
July 2, 1938	1268
July 9, 1938	1320
July 16, 1938	1376
July 23, 1938	1439
July 30, 1938	1494
August 6, 1938	1540
August 13, 1938	1588
August 20, 1938	1631
August 27, 1938	1681
September 3, 1938	1730
September 10, 1938	1756
September 17, 1938	1811
September 24, 1938	1851
October 1, 1938	1902
October 8, 1938	1944
October 15, 1938	1987
October 22, 1938	2021
October 29, 1938	2072
November 5, 1938	2104

Poliomyelitis—Continued.

	Page
City reports for week ended—Continued.	
November 12, 1938.....	2149
November 19, 1938.....	2189
November 26, 1938.....	2210
December 3, 1938.....	2255
December 10, 1938.....	2295
Current weekly State reports.....	1107,
1168, 1222, 1259, 1313, 1369, 1431, 1488, 1533, 1582, 1624,	1673,
1722, 1750, 1802, 1844, 1896, 1936, 1980, 2015, 2066,	2097,
2140, 2183, 2206, 2249, 2286.	
Japan.....	1682
Prevalence since 1915 and the present situation—Hampton.....	1143
Poliomyelitis in the personnel of the Los Angeles County general hospital in 1934.....	1302
Protozoan cysts and helminth eggs in feces, a supplementary basic technique for the recovery of (preliminary communication)—D'Antoni and Odom.....	2202
Protozoan plankton as indicators of pollution in a flowing stream—Lackey.....	2037
<i>Pseudotuberculosis rodentium</i> , B., a case of human infection with—Topping, Watts, and Lillie.....	1340
Psittacosis in Washington, D. C.....	2204
Publications, Public Health Service. (List of publications issued during the period January—June 1938).....	1307
Public utility, 1933—37, frequency and duration of disabilities causing absence from work among the employees of a—Gafafer and Frasier.....	1273
Puerperal septicemia. (See Summary—Disease cases reported monthly by States.)	
Puerto Rico. (See Summary—Disease cases reported monthly by States.)	

R

Rabies in animals. (See Summary—Disease cases reported monthly by States.)	
Rabies in man. (See Summary—Disease cases reported monthly by States.)	
Rheumatic heart disease, incidence of, among college students in the United States—Hedley.....	1635
Rhode Island. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Riboflavin deficiency in man. A preliminary note—Sebrell and Butler.....	2282
Rickettsiae of Rocky Mountain spotted fever and typhus groups, use of yolk sac of developing chick embryo as medium for growing—Cox.....	2241
Ringworm. (See Summary—Disease cases reported monthly by States.)	
Robinson, Frank H.: Studies on chronic brucellosis. IV. An evaluation of the diagnostic laboratory tests.....	1507
Rocky Mountain spotted fever. (See Summary—Disease cases reported monthly by States.)	
Rocky Mountain spotted fever, boutonneuse fever, and endemic typhus (murine), the persistence of the viruses of, in tissues of experimental animals—Philip and Parker.....	1246
Rocky Mountain spotted fever in Ohio, report of two cases of—Cooper, Kurzner, Wilson, and Dyer.....	1775
Rocky Mountain spotted fever virus, a comparative study of two strains of, with special reference to the Weil-Felix reaction—Davis and Parker.....	1525
Ruchhoff, C. C.: Studies of sewage purification. VII. Biochemical oxidation by activated sludge.....	1690

S

Sayers, R. R.:	
Metal fume fever and its prevention.....	1080
Silicosis and similar dust diseases.....	1453
Toxicology of phenyldichlorarsine. II. Response of man to PDA-oil mixtures.....	1292
Scabies. (See Summary—Disease cases reported monthly by States.)	

Scarlet fever:

(See also Summary—Disease cases reported monthly by States.)

	Page
City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1629
August 27, 1938.....	1679
September 3, 1938.....	1727
September 10, 1938.....	1754
September 17, 1938.....	1809
September 24, 1938.....	1848
October 1, 1938.....	1900
October 8, 1938.....	1942
October 15, 1938.....	1985
October 22, 1938.....	2019
October 29, 1938.....	2070
November 5, 1938.....	2101
November 12, 1938.....	2147
November 19, 1938.....	2187
November 26, 1938.....	2210
December 3, 1938.....	2253
December 10, 1938.....	2292
Current weekly State reports.....	1107,
1168, 1222, 1259, 1313, 1369, 1431, 1488, 1533, 1582, 1624, 1673,	1673,
1722, 1750, 1802, 1844, 1896, 1936, 1980, 2015, 2066, 2097, 2140,	2140,
2183, 2206, 2249, 2286.	
Scotland: Vital statistics—	
Quarter ended June 30, 1938.....	1633
Quarter ended September 30, 1938.....	2214
Sebrell, W. H.	
Riboflavin deficiency in man. A preliminary note.....	2282
The assay of urine in canine blacktongue by the use of <i>Shigella par-</i> <i>adysenteriae</i> (Sonne).....	1836
Selenate and selenite, sodium, effect of, on the oxygen consumption of mammalian tissues—Wright.....	1825
Selenium in the organism, studies on the fate of—Smith, Westfall, and Stohlman.....	1199
Septic sore throat. (See Summary—Disease cases reported monthly by States.)	
Sewage purification, studies of:	
VII. Biochemical oxidation by activated sludge—Ruchhoft, McNamee, and Butterfield.....	1690
VIII. Observations on the effect of variations in the initial numbers of bacteria and of the dispersion of sludge flocs on the course of oxidation of organic material by bacteria in pure culture— Butterfield and Wattie.....	1912
Shellfish-growing waters, oysters, and clams, comparison of modified Eijk- man medium and standard lactose broth in the examination of—Payne.....	2058
Sherwood, R. O.: Unsuccessful treatment of malaria with sulfonamide compounds.....	1364
<i>Shigella paradysenteriae</i> (Sonne), the assay of urine in canine blacktongue by the use of—Fraser, Topping, and Sebrell.....	1836
Sickness, disabling, among male industrial employees during the second quarter and the first half of 1938—Gafafer and Frasier.....	1910
Silicosis and similar dust diseases—Sayers and Jones.....	1453
Simmons, J. S., Lieut. Col.: Studies on immunizing substances in pneu- mococci. VIII. Report on field tests to determine the prophylactic value of a pneumococcus antigen.....	1877
Siphonaptera (<i>Meringsis</i> Jordan), two new species of—Kohls.....	1216

Smallpox:

(See also Summary—Disease cases reported monthly by States.)

	Page
City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1629
August 27, 1938.....	1679
September 3, 1938.....	1727
September 10, 1938.....	1754
September 17, 1938.....	1809
September 24, 1938.....	1848
October 1, 1938.....	1900
October 8, 1938.....	1942
October 15, 1938.....	1985
October 22, 1938.....	2019
October 29, 1938.....	2070
November 5, 1938.....	2101
November 12, 1938.....	2147
November 19, 1938.....	2187
November 26, 1938.....	2210
December 3, 1938.....	2253
December 10, 1938.....	2292
Current weekly State reports.....	1107,
1170, 1223, 1261, 1315, 1370, 1433, 1489, 1535, 1583, 1626,	1675,
1724, 1751, 1803, 1846, 1897, 1938, 1982, 2017, 2068, 2099,	2142,
2185, 2208, 2251, 2288.	
Foreign reports.....	1179,
1230, 1271, 1327, 1442, 1550, 1590, 1732, 1764, 1854, 1950,	1989,
2074, 2112, 2151, 2191, 2258, 2302.	
Great Britain—England and Wales—1901–1936.....	1852
Smith, M. I.: Studies on the fate of selenium in the organism.....	1199
Sodium selenite and selenate, effect of, on the oxygen consumption of mammalian tissues—Wright.....	1825
South Carolina. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
South Dakota. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
State and insular health authorities, 1938. Directory, with data as to appropriations and publications.....	1408
Stohlman, E. F.: Studies on the fate of selenium in the organism.....	1199
Studies of sewage purification:	
VII. Biochemical oxidation by activated sludge—Ruchhoft, Mc- Namee, and Butterfield.....	1690
VIII. Observations on the effect of variations in the initial numbers of bacteria and of the dispersion of sludge flocs on the course of oxidation of organic material by bacteria in pure culture— Butterfield and Wattie.....	1912
Studies on chronic brucellosis. IV. An evaluation of the diagnostic labora- tory tests—Evans, Robinson, and Baumgartner.....	1507
Studies on dental caries:	
V. Familial resemblance in the caries experience of siblings—Klein and Palmer.....	1353
VI. Sex differences in dental caries experience of elementary school children—Klein and Palmer.....	1685
Studies on immunizing substances in pneumococci:	
VII. Response in human beings to antigenic pneumococcus polysac- charides, types I and II—Felton.....	1855
VIII. Report on field tests to determine the prophylactic value of a pneumococcus antigen—Ekwurzel, Simmons, Dublin, and Felton.....	1877

	Page
Studies on trichinosis:	
VI. Epidemiological aspects of trichinosis in the United States as indicated by an examination of 1,000 diaphragms for trichinae—Hall.....	1086
VII. The past and present status of trichinosis in the United States, and the indicated control measures—Hall.....	1472
XII. The preparation and use of an improved trichina antigen—Bozicevich.....	2130
Sulfonamide compounds, unsuccessful treatment of malaria with—Faget, Palmer, and Sherwood.....	1364
Summary: Communicable diseases—Disease cases reported monthly by States.....	1108,
1171, 1225, 1262, 1316, 1372, 1434, 1491, 1536, 1584, 1627, 1676, 1725, 1753, 1805, 1847, 1899, 1939, 1983, 2069, 2100, 2209, 2252, 2289.	2252,
Sweden: Notifiable diseases—	
April 1938.....	1117
May 1938.....	1321
June 1938.....	1542
July 1938.....	1814
August 1938.....	1945
September 1938.....	2214
T	
Temperature, mortality during periods of excessive—Gover.....	1122
Tennessee. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Tetanus. (See Summary—Disease cases reported monthly by States.)	
Texas. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Tick, <i>Ornithodoros turicata</i> and of <i>Spirochaeta recurrentis</i> within this tick, longevity of—Francis.....	2220
Ticks, a filter-passing infectious agent isolated from:	
I. Isolation from <i>Dermacentor andersoni</i> , reactions in animals, and filtration experiments—Davis and Cox.....	2259
II. Transmission by <i>Dermacentor andersoni</i> —Parker and Davis.....	2267
III. Description of organism and cultivation experiments—Cox.....	2270
IV. Human infection—Dyer.....	2277
Ticks (<i>Ixodes</i>) from California, two new species of—Cooley and Kohls.....	1616
Tonsillar granules, the isolation of <i>Actinomyces bovis</i> from—Emmons.....	1967
Topping, Norman H.:	
A case of human infection with <i>B. pseudotuberculosis rodentium</i>	1340
The assay of urine in canine blacktongue by the use of <i>Shigella parady-senteriae</i> (Sonne).....	1836
Toxicology of phenyldichlorarsine. II. Response of man to PDA-oil mixtures—Sayers and Dudley.....	1292
Trachoma. (See Summary—Disease cases reported monthly by States.)	
Trichinosis, studies on:	
VI. Epidemiological aspects of trichinosis in the United States as indicated by an examination of 1,000 diaphragms for trichinae—Hall.....	1086
VII. The past and present status of trichinosis in the United States, and the indicated control measures—Hall.....	1472
XII. The preparation and use of an improved trichina antigen—Bozicevich.....	2130
Tuberculosis: City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1929

Tuberculosis: City reports for week ended—Continued.		Page
August 27, 1938.....		1679
September 3, 1938.....		1727
September 10, 1938.....		1754
September 17, 1938.....		1809
September 24, 1938.....		1848
October 1, 1938.....		1900
October 8, 1938.....		1942
October 15, 1938.....		1985
October 22, 1938.....		2019
October 29, 1938.....		2070
November 5, 1938.....		2101
November 12, 1938.....		2147
November 19, 1938.....		2187
November 26, 1938.....		2210
December 3, 1938.....		2253
December 10, 1938.....		2292
Tularaemia. (See Summary—Disease cases reported monthly by States.)		
Tumors:		
Susceptibility of mice to spontaneous, induced, and transplantable— Andervont.....		1647
The incidence of induced subcutaneous and pulmonary, and spon- taneous mammary, in hybrid mice—Andervont.....		1665
Typhoid fever:		
(See also Summary—Disease cases reported monthly by States.)		
China.....		1496, 1589
City reports for week ended—		
June 11, 1938.....		1110
June 18, 1938.....		1173
June 25, 1938.....		1226
July 2, 1938.....		1266
July 9, 1938.....		1318
July 16, 1938.....		1373
July 23, 1938.....		1437
July 30, 1938.....		1492
August 6, 1938.....		1538
August 13, 1938.....		1585
August 20, 1938.....		1629
August 27, 1938.....		1679
September 3, 1938.....		1727
September 10, 1938.....		1754
September 17, 1938.....		1809
September 24, 1938.....		1848
October 1, 1938.....		1900
October 8, 1938.....		1942
October 15, 1938.....		1985
October 22, 1938.....		2019
October 29, 1938.....		2070
November 5, 1938.....		2101
November 12, 1938.....		2147
November 19, 1938.....		2187
November 26, 1938.....		2210
December 3, 1938.....		2253
December 10, 1938.....		2292
Typhoid and paratyphoid fever: Current weekly State reports.....		1107, 1170, 1223, 1261, 1315, 1370, 1433, 1489, 1535, 1583, 1626, 1724, 1751, 1803, 1846, 1897, 1938, 1982, 2017, 2068, 2099, 2142, 2185, 2208, 2251, 2288.
Typhus fever:		
(See also Summary—Disease cases reported monthly by States.)		
City reports for week ended—		
June 11, 1938.....		1113
June 18, 1938.....		1175
June 25, 1938.....		1228
July 2, 1938.....		1268
July 9, 1938.....		1320
July 16, 1938.....		1376
July 23, 1938.....		1439

Typhus fever—Continued.

City reports for week ended—Continued.

	Page
July 30, 1938.....	1494
August 6, 1938.....	1540
August 13, 1938.....	1588
August 20, 1938.....	1631
August 27, 1938.....	1681
September 3, 1938.....	1730
September 10, 1938.....	1756
September 17, 1938.....	1811
September 24, 1938.....	1851
October 1, 1938.....	1902
October 8, 1938.....	1944
October 15, 1938.....	1987
October 22, 1938.....	2021
October 29, 1938.....	2072
November 5, 1938.....	2104
November 12, 1938.....	2149
November 19, 1938.....	2189
November 26, 1938.....	2210
December 3, 1938.....	2255
December 10, 1938.....	2295
Endemic (murine), Rocky Mountain spotted fever, and boutonneuse fever in tissues of experimental animals, the persistence of the viruses of—Philip and Parker.....	1246
Endemic, virus in mice—Brigham.....	1251
Foreign reports.....	1117, 1332, 1379, 1442, 1554, 1591, 1732, 1769, 1815, 1955, 1989, 2074, 2116, 2151, 2192, 2306.
Virus, susceptibility of animals to endemic—Brigham.....	2078

U

Undulant fever:

(See also Brucellosis; Summary—Disease cases reported monthly by States.)

The prevalence of, in the United States..... 195

United States:

Communicable diseases—

Current prevalence of.....	1119, 1337, 1559, 1733, 1907, 2075, 2217
Current weekly State reports.....	1106, 1167, 1221, 1258, 1312, 1368, 1430, 1487, 1532, 1580, 1623, 1672, 1721, 1749, 1801, 1843, 1895, 1935, 1979, 2014, 2065, 2096, 2139, 2182, 2205, 2248, 2285
Summary of monthly reports from States.....	1108, 1171, 1225, 1262, 1316, 1372, 1434, 1491, 1536, 1584, 1627, 1676, 1725, 1753, 1805, 1847, 1899, 1939, 1983, 2018, 2069, 2100, 2143, 2186, 2209, 2252, 2289.

Deaths—Large cities—Week ended—

June 11, 1938.....	1105
June 18, 1938.....	1166
June 25, 1938.....	1220
July 2, 1938.....	1257
July 9, 1938.....	1311
July 16, 1938.....	1367
July 23, 1938.....	1429
July 30, 1938.....	1486
August 6, 1938.....	1531
August 13, 1938.....	1579
August 20, 1938.....	1622
August 27, 1938.....	1671
September 3, 1938.....	1720
September 10, 1938.....	1748
September 17, 1938.....	1800
September 24, 1938.....	1842
October 1, 1938.....	1894
October 8, 1938.....	1934
October 15, 1938.....	1978
October 22, 1938.....	2013
October 29, 1938.....	2064
November 5, 1938.....	2095

United States—Continued.

	Page
Deaths—Large cities—Week ended—Continued.	
November 12, 1938.....	2138
November 19, 1938.....	2181
November 26, 1938.....	2204
December 3, 1938.....	2247
December 10, 1938.....	2284

Health conditions in the, as indicated by mortality rates, 1929-38..... 1961

Undulant fever (brucellosis), prevalence of, in the..... 1195

Venereal diseases—Cases reported—

May 1938.....	1264
June 1938.....	1677
July 1938.....	1806
August 1938.....	1940
September 1938.....	2145
October 1938.....	2291

United States Marine Hospital (National Leprosarium), Carville, La.
Review of the more important activities for the fiscal year ended June 30,
1938—Hasseltine..... 2025

Urine in canine blacktongue, the assay of, by the use of *Shigella para-*
dysenteriae (Sonne)—Fraser, Topping, and Sebrell..... 1836

Utah:

(See also Name of disease—Current weekly State reports; Summary—
Disease cases reported monthly by States.)

Rich County—Plague-infected fleas.....	1318, 1436
Wasatch County—Plague-infected squirrel.....	1318

V

Venereal disease control activities, and the National Cancer Institute, acts
establishing the..... 1302

Venereal diseases: United States—Cases reported—

May 1938.....	1264
June 1938.....	1677
July 1938.....	1806
August 1938.....	1940
September 1938.....	2145
October 1938.....	2291

Vermont. (See Name of disease—Current weekly State reports; Sum-
mary—Disease cases reported monthly by States.)

Virginia. (See Name of disease—Current weekly State reports; Sum-
mary—Disease cases reported monthly by States.)

Virgin Islands: Notifiable diseases—

April 1938.....	1441
May 1938.....	1441
June 1938.....	1441
July 1938.....	1988
August 1938.....	1988
September 1938.....	1988

Viruses of endemic (murine) typhus, Rocky Mountain spotted fever, and
boutonneuse fever in tissues of experimental animals, the persistence of—
Philip and Parker..... 1246

Virus in mice, endemic typhus—Brigham..... 1251

Visual refractive errors of children, changes in the types of—Ciocco..... 1571

Vital statistics:

Australia—South Australia—1935-1937.....	1496
Canada—	
Fourth quarter 1937.....	1114
Year 1937.....	1115
First quarter 1938.....	1812
Egypt—	
Second quarter 1937.....	1177
Third quarter 1937.....	1497
France—First quarter 1938—Comparative.....	1852
Germany—	
Fourth quarter 1937.....	1178
Year 1937.....	1178
First quarter 1938.....	1945
First half 1938.....	2296

Vital statistics—Continued.

	Page
Great Britain—England and Wales—	
First quarter 1938.....	1229
Year 1937.....	1230
Second quarter 1938.....	1814
Third quarter 1938.....	2296
Irish Free State—	
Quarter ended March 31, 1938.....	1378
Quarter ended June 30, 1938.....	1814
Scotland—	
Quarter ended June 30, 1938.....	1633
Quarter ended September 30, 1938.....	2214
Vitamin E, a simple method of concentrating—Mackenzie, Mackenzie, and McCollum.....	1779

W

Washington. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Wattie, Elsie: Studies of sewage purification. VIII. Observations on the effect of variations in the initial numbers of bacteria and of the dispersion of sludge flocs on the course of oxidation of organic material by bacteria in pure culture.....	1912
Watts, C. E.: A case of human infection with <i>B. pseudotuberculosis rodentium</i>	1340
Westfall, B. B.: Studies on the fate of selenium in the organism.....	1199
West Virginia. (See Name of disease—Current weekly State reports; Summary—Disease cases reported monthly by States.)	
Whooping cough: (See also Summary—Disease cases reported monthly by States.)	
City reports for week ended—	
June 11, 1938.....	1110
June 18, 1938.....	1173
June 25, 1938.....	1226
July 2, 1938.....	1266
July 9, 1938.....	1318
July 16, 1938.....	1373
July 23, 1938.....	1437
July 30, 1938.....	1492
August 6, 1938.....	1538
August 13, 1938.....	1585
August 20, 1938.....	1629
August 27, 1938.....	1679
September 3, 1938.....	1727
September 10, 1938.....	1754
September 17, 1938.....	1809
September 24, 1938.....	1848
October 1, 1938.....	1900
October 8, 1938.....	1942
October 15, 1938.....	1985
October 22, 1938.....	2019
October 29, 1938.....	2070
November 5, 1938.....	2101
November 12, 1938.....	2147
November 19, 1938.....	2187
November 26, 1938.....	2210
December 3, 1938.....	2253
December 10, 1938.....	2292
Current weekly State reports.....	1107,
1170, 1223, 1261, 1315, 1370, 1433, 1489, 1535, 1583, 1626,	1675,
1724, 1751, 1803, 1846, 1897, 1938, 1982, 2017, 2068, 2099,	2142,
2185, 2208, 2251, 2288.	
Williams, C. L.: An unusual case of cyanide poisoning during fumigation..	2094
Wilson, Armine T.: Report of two cases of Rocky Mountain spotted fever in Ohio.....	1775
Wisconsin. (See Name of disease—Current weekly State reports; Sum- mary—Disease cases reported monthly by States.)	

Wright, C. I.: Effect of sodium selenite and selenate on the oxygen consumption of mammalian tissues----- 1825

Wyoming:

(See also Name of disease—Current weekly State reports; Summary—
Disease cases reported monthly by States.)

Lincoln County—

 Plague-infected fleas----- 1373, 1436

 Plague-infected fleas, lice, and ticks----- 1537, 1585, 1677, 1727

 Plague-infected squirrels----- 1373, 1436, 1537

Sublette County—

 Plague-infected fleas----- 1585

 Plague-infected fleas and lice----- 1537

Uinta County—

 Plague-infected fleas----- 1263, 1373, 1436

 Plague-infected squirrels----- 1263

Y

Yellow fever:

 Foreign reports----- 1117, 1179,
 1230, 1271, 1334, 1379, 1498, 1557, 1591, 1683, 1732, 1772, 1815,
 1854, 1905, 1958, 1990, 2074, 2119, 2151, 2192, 2215, 2258, 2309

 Miami health officer acts to prevent the introduction of----- 1621

Yolk sac of developing chick embryo, use of, as medium for growing rickettsiae of Rocky Mountain spotted fever and typhus groups—Cox----- 2241

Young, Martin D.:

 Antagonism between species of malaria parasites in induced mixed infections----- 1289

 A rapid method for drying thick blood films----- 1256

Yugoslavia: Communicable diseases—4 weeks ended—

 May 22, 1938----- 1117

 June 19, 1938----- 1321

 July 17, 1938----- 1543

 August 14, 1938----- 1682

 September 11, 1938----- 1905

 October 9, 1938----- 2073

 November 6, 1938----- 2297



UNITED STATES TREASURY DEPARTMENT

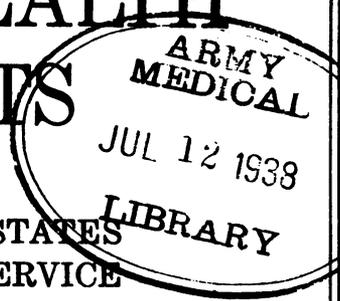
PUBLIC HEALTH REPORTS

ISSUED WEEKLY

BY THE UNITED STATES
PUBLIC HEALTH SERVICE

VOLUME 53 :: :: NUMBER 26

JULY 1 - - - - 1938



INDEXED

==== IN THIS ISSUE ====

- Provisional Mortality Rates for the First Quarter of 1938
- Provisional Birth, Death, and Infant Mortality Rates, 1937
- Death Rates for the Most Important Causes of Death in 1936
- Symptoms, Pathology, and Prevention of Metal Fume Fever
- Epidemiological Aspects of Trichinosis in the United States



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1938